A. CLASSIFICATION OF SUBJECT MATTER

IPC 7   H03M13/15

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7   H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LIN S ET AL: "ERROR CONTROL CODING" 1983, ERROR CONTROL CODING. FUNDAMENTALS AND APPLICATIONS, ENGLEWOOD CLIFFS, PRENTICE HALL, US, PAGE(S) 85-124 , XP002056639 page 95 page 116	13,15-18
Y		14
Y	GUI-LIANG FENG ET AL: "Reflections on the 'decoding of algebraic-geometric codes up to the designed minimum distance'" 15 March 1995 (1995-03-15), XP002287274 Retrieved from the Internet: URL:http://www.cs.mcgill.ca/{crepeau/PS/Fe ng-Rao.ps> 'retrieved on 2004-10-14! page 1 - page 3	14

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[X] Further documents are listed in the continuation of box C.   [ ] Patent family members are listed in annex.

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'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

'O' document referring to an oral disclosure, use, exhibition or other means

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'&' document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
19 October 2004	02/11/2004

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Offer, E

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PELLIKAAN R ET AL: "Which linear codes are algebraic-geometric?" IEEE TRANSACTIONS ON INFORMATION THEORY, vol. 37, no. 3, 1 May 1991 (1991-05-01), pages 583-602, XP000204363 ISSN: 0018-9448 page 594, left-hand column, paragraph 5 - page 601, right-hand column, paragraph 1	14
A		1-13, 15-18
A	HEEGARD C ET AL: "Systematic encoding via Gröbner bases for a class of algebraic-geometric codes" IEEE TRANSACTIONS ON INFORMATION THEORY, IEEE INC. NEW YORK, US, vol. 41, no. 6, November 1995 (1995-11), pages 1752-1761, XP002263629 ISSN: 0018-9448 the whole document	1-18
A	MATSUMOTO R ET AL: "Fast encoding of algebraic geometry codes" IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES, INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, JP, vol. E84A, no. 10, October 2001 (2001-10), pages 2514-2517, XP001107782 ISSN: 0916-8508 the whole document	1-18
A	BLAKE I. ET AL: "Algebraic-geometry codes" IEEE TRANSACTIONS ON INFORMATION THEORY, IEEE INC. NEW YORK, US, vol. 44, no. 6, 6 October 1998 (1998-10-06), pages 2596-2618, XP002251940 ISSN: 0018-9448 the whole document	1-18
A	FENG G-L ET AL: "Improved geometric Goppa codes.PART I: Basic theory" IEEE TRANSACTIONS ON INFORMATION THEORY, IEEE INC. NEW YORK, US, vol. 41, no. 6, pt1, November 1995 (1995-11), pages 1678-1693, XP002225243 ISSN: 0018-9448 the whole document	1-18

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LINT VAN J H: "Algebraic geometric codes" CODING THEORY AND DESIGN THEORY, vol. 21, 1990, pages 137-162, XP008011885 IMA VOLUMNES MATHEMATICAL APPLICATIONS, SPRINGER VERLAG BERLIN cited in the application the whole document -----	1-18